| <br>idex |  |  |
|----------|--|--|
|          |  |  |

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/534,901              | GISIN ET AL.                            |
| Examiner                | Art Unit                                |
| Trang Doan              | 2131                                    |

| / | Rejected |   | - | (Through numeral)<br>Cancelled |
|---|----------|---|---|--------------------------------|
|   | Allowed  | ÷ |   | Restricted                     |

| N | Non-Elected  |
|---|--------------|
| ı | Interference |

| A | Appeal   |
|---|----------|
| 0 | Objected |

| Cla      | aim      |              |          |   | [              | Date   | 2  |  |  | ]  |     | Cla  | im       |          |
|----------|----------|--------------|----------|---|----------------|--|--|--|--|--|-----|--|----------|----------|
| Final    | Original | 11/21/06     |          |   |                |  |  |  |  |  |     | Final  | Original |          |
|          | 1        | 7            | _        |   | ٠.             |  |  |  | ┪  | _  |     |  | 51       | _        |
|          | 2        | 1            |          | П   |                |  |  |  |  |  | - 1 |  | 51<br>52 | _        |
|          | 3        | 1            |          | Н   |                | _  | _  |  |  | _  |     |  | 53       | _        |
|          | 4        | 1            |          | П   |                |  |  |  |  | _  |     |  | 54       | _        |
|          | 5        | 1            |          |   | _              |  |  |  |  |  |     |  | 55       | _        |
| <b>—</b> | 6        | 1            |          | П   |                |  |  |  |  |  |     |  | 56       | _        |
|          | 7        | 1            |          | П   |                |  |  |  |  |  |     |  | 57       | Γ        |
|          | 8        | 1            |          |   | •              |  |  |  |  |  | ı   |  | 58       |          |
|          | 9        | 1            |          |   |                | _  |  |  |  |  |     |  | 59       |          |
|          | 10       | 1            |          |   |                |  |  |  |  |  |     |  | 60       |          |
|          | 11       |              |          |   |                |  |  |  |  |  |     |  | 61       |          |
| $\Box$   | 12       |              |          |   |                |  |  |  |  |  |     |  | 62       |          |
|          | 13       |              |          |   |                |  |  |  |  |  |     |  | 63       |          |
|          | 14       |              |          |   |                |  |  |  |  |  |     |  | 64       |          |
|          | 15       |              |          |   |                |  |  | Ш  |  |  |     |  | 65       | L        |
|          | 16<br>17 |              |          |   |                |  |  |  |  |  |     |  | 66       |          |
|          | 17       |              |          |   |                |  |  |  |  |  |     |  | 67       | L        |
|          | 18       | L            |          | L_  |                |  |  |  |  |  |     |  | 68       | L        |
|          | 19       |              | <u>_</u> |   | _              |  |  |  |  |  |     |  | 69       | L        |
|          | 20       |              | _        |   |                |  | L  |  |  |  |     |  | 70       | L        |
| <u> </u> | 21       | <u> </u>     | 匚        | L   |                | L  |  |  |  |  |     |  | 71       | L        |
|          | 22       | 乚            |          |   |                |  |  | Ш  |  |  |     |  | 72<br>73 | L        |
|          | 23       | L            | <u> </u> |   | _              | _  | <u> </u>   | _  |  |  |     |  | 73       | L        |
|          | 24<br>25 | <u> </u>     | <u> </u> | _   | <u> </u>       | <u>L</u>   | _  |  |  |  |     |  | 74<br>75 | L        |
|          | 25       | <u> </u>     | <u> </u> |   | L              |  |  |  |  |  |     |  | 75       | -        |
|          | 26       | <u> </u>     | <u></u>  |   |                | _  | L_   |  | _  | _  |     |  | 76       | L        |
|          | 27       | <u> </u>     | _        | <u> </u>  |                |  |  |  |  | _  |     |  | 77       | L        |
|          | 28       | _            | _        | <u> </u>  | _              | _  | ļ  |  |  | _  |     |  | 78       | L        |
|          | 29       | L            | <u> </u> | <u> </u>  | _              | <u> </u>   | <u> </u>   |  |  |  |     |  | 79       | L        |
|          | 30       | <u> </u>     | _        | <u> </u>  | _              | <u> </u>   | <u> </u>   |  |  |  |     |  | 80       | Ļ.       |
| <u> </u> | 31       | <u> </u>     | <u> </u> | <u> </u>  |                | <u> </u>   | _  | $\sqcup$   | _  |  |     |  | 81       | L        |
|          | 32       | _            | _        | <u> </u>  | _              |  |  |  |  | _  |     |  | 82<br>83 | ļ.       |
|          | 33       | ▙            | <u> </u> | <u> </u>  |                | <u> </u>   |  |  |  | _  |     |  | 83       | L        |
|          | 34       | <del> </del> | _        | ├   |                | <u> </u>   | <u> </u>   |  |  |  |     | ·  | 84       | ┞        |
|          | 35<br>36 | ├-           | -        | ├   |                |  |  | -  | <u> </u>   | -  |     | <u> </u>   | 85<br>86 | ┞        |
| -        |          | ├-           | -        | ┢   |                | -  | <u> </u>   |  | -  | -  |     |  | 87       | ┞        |
| -        | 37       | ┢            | -        | -   |                |  | ├  | -  | ┝  | -  |     |  | 88       | ┝        |
| -        | 38       | ⊢            | -        | ├   | $\vdash$       | ├  |  | -  | -  | H  | ľ   | <del></del>                                      | 89       | ⊦        |
|          | 40       | -            | -        | <del>                                      </del> |                | -  |  | ├  | -  | H  |     |  | 90       | ⊦        |
|          | 41       | ╁            | ⊢        | ⊢   | <del> </del>   | ⊢  | ⊢  | ⊢  | $\vdash$   | -  |     | _  | 91       | ⊦        |
| $\vdash$ | 42       | ╁            | $\vdash$ | ┢   | <del>  -</del> | ⊢  | ├─   | -  | ┝  | -  |     | <del> </del>                                     | 92       | ┝        |
| <u> </u> | 43       | $\vdash$     | ├        | ┢   | <del> </del>   | ⊢  | ⊢  | ├  | ┝  | -  |     | $\vdash$   | 93       | ┢        |
| $\vdash$ | 44       | +-           | $\vdash$ | +   | -              |  | -  | $\vdash$   | -  | <del>                                     </del> | 1   | $\vdash$   | 94       | H        |
| -        | 45       | ╁            | 1        | -   | $\vdash$       | ⊢  | -  | H  | _  | $\vdash$   | 1   | <u> </u>   | 95       | $\vdash$ |
|          | 46       | ├-           | +        | $\vdash$  | -              | <del> </del>                                     | $\vdash$   | <del>  -</del>                                   | -  | -  | 1   | <u> </u>   | 96       | H        |
| -        | 47       | ╁            | $\vdash$ | $\vdash$  | -              | <del>                                     </del> | +-   | <del>                                     </del> | -  | -  | 1   | <del> </del>                                     | 97       | H        |
| -        | 48       | ╁            | +-       | ╁╾  |                | <del>  -</del>                                   | <del> </del>                                       | ┢  | <del>                                     </del> | 1  | 1   | <b></b> -  | 98       | t        |
| 1        | 49       | t            | $\vdash$ | $\vdash$  | $\vdash$       | $\vdash$   | <del>  -                                    </del> | $\vdash$   | $\vdash$   | <del>                                     </del> | 1   | <del>                                     </del> | 99       | t        |
|          | 50       | T            | t        | $\vdash$  | $\vdash$       | <del>                                     </del> | t  | $\vdash$   | ┢  |  | 1   |  | 100      | T        |
|          |          |              |          |   |                |  |  |  |  |  |     |  |          |          |

| Cla      | im   |            |  |  |          | ate  |  |  |  | _  |
|----------|--|------------|--|--|----------|--|--|--|--|--|
|          |  | _          |  | 1  | Ť        |  |  |  |  | ᅱ  |
| <u>=</u> | Original   | - 1        | - 1  |  | 1        |  |  |  |  |  |
| Final    | ij   |            |  |  |          |  |  |  |  |  |
| -        | Õ  |            |  |  |          |  |  |  | Ì  |  |
|          | 51   | -          |  | $\dashv$   | -        |  | $\dashv$   |  | $\dashv$   | $\dashv$   |
|          | 52   | $\dashv$   | -  | $\dashv$   | $\dashv$ |  | $\dashv$   | -  | -  | $\dashv$   |
|          | 52   | $\dashv$   | $\dashv$   | $\dashv$   | -        | -  | $\dashv$   | -  |  | -  |
|          | 53<br>54<br>55   | $\dashv$   | $\dashv$   | $\dashv$   | _        | $\vdash$   | -  | -  | -  | $\dashv$   |
| $\vdash$ | 55   |            |  |  |          | -  | -  | $\dashv$   | -  |  |
| $\vdash$ | 55   | $\dashv$   |  | -  |          | _  | $\vdash$   | -  |  |  |
| $\vdash$ | 56<br>57   |            |  | -  | -        | H  | -  |  |  |  |
|          | 5/   | $\dashv$   | _  | _  | -        |  |  |  |  | _  |
|          | 58<br>59   | $\dashv$   | _  | _  | _        |  |  | _  | _  |  |
| <u> </u> | 28   | $\dashv$   | _  |  | _        | _  | -  |  | -  |  |
| <u> </u> | 60   |            | _  |  |          |  | Н  |  | $\vdash$   |  |
|          | 2  |            | _  | $\vdash$   | $\vdash$ | -  |  | _  | Н  | $\dashv$   |
| ļ        | 61<br>62<br>63   | $\dashv$   |  | Ш  |          |  |  |  | Н  | $\dashv$   |
|          | 03   | _          |  |  | <u> </u> | -  |  |  | щ  | Н  |
| <u> </u> | 64<br>65   | _          |  |  |          | <u> </u>   |  |  | Ш  | $\mid - \mid$                                    |
|          | 65   | -          |  | _  | _        | <u> </u>   | _  |  |  | $\vdash \vdash$                                  |
|          | 66<br>67   |            |  |  |          |  | $\vdash$   |  | <u> </u>   |  |
|          | 67   |            |  | _  |          | <u> </u>   |  | _  |  |  |
|          | 68   |            |  |  |          | _  | L  |  |  |  |
| <u> </u> | 69<br>70<br>71<br>72<br>73<br>74<br>75<br>76<br>77<br>78<br>79 |            |  |  |          |  | _  |  |  |  |
|          | 70   |            |  |  |          | <u> </u>   | _  | L  | _  |  |
|          | 71   |            |  |  |          | _  |  |  |  |  |
|          | 72   |            |  |  |          |  |  | Щ  | _  |  |
|          | 73   |            |  |  |          | L  | $\Box$   |  |  |  |
|          | 74   |            |  |  | _        | <u>_</u>   | 匚  | _  | _  |  |
|          | 75   |            |  |  |          | _  | _  | _  | _  |  |
|          | 76   |            |  |  |          |  |  |  | L_   |  |
|          | 77   |            |  |  |          | L  |  | _  | L_   |  |
|          | 78   |            |  |  | L        | _  |  |  | <u> </u>   |  |
| L        | 79   |            |  |  | L        | L  |  |  | L_   |  |
|          | 80<br>81   |            |  |  |          |  |  |  |  |  |
|          | 81   |            |  |  |          |  |  |  |  |  |
|          | 82   |            |  |  |          |  |  |  |  |  |
|          | 83   |            |  |  |          |  |  | L  |  |  |
|          | 84   |            |  |  | L        |  |  | L  |  |  |
|          | 84<br>85   |            |  |  |          |  |  |  |  |  |
|          | l 86   |            |  |  |          |  |  |  | Ĺ  |  |
|          | 87   |            | $\Box$   |  |          |  |  |  | $\Box$   |  |
|          | 88   |            |  |  |          |  |  |  |  |  |
|          | 89   | П          |  |  |          |  |  |  | ·  |  |
|          | 90   |            |  |  | Γ        |  |  | L.   |  |  |
|          | 91   |            |  | Г  |          |  | П  |  | Г  |  |
|          | 92   |            |  | Г  | Г        |  |  |  | Γ  | Г  |
|          | 93   |            |  |  |          | Г  | <del>                                     </del> |  |  |  |
|          | 94   |            |  |  |          | Г  | П  | Г  | Г  |  |
|          | 95   | $\vdash$   |  | T  |          |  | Г  | Г  | Γ  |  |
|          | 96   |            |  | <del>                                     </del> | ┢        | ┢  | 1  | T  | $\vdash$   | $\vdash$   |
| -        | 97   | $\vdash$   |  | $\vdash$   |          |  | $\vdash$   | $\vdash$   | <del>                                     </del> | $\vdash$   |
|          | 98   | $\vdash$   | ऻ─   | ┢  | $\vdash$ | 1  | $\vdash$   | $\vdash$   | Н  | $\vdash$   |
| -        | 99   | $\vdash$   | $\vdash$   | -  | $\vdash$ | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | <del>                                     </del> |
| <b>—</b> | 100  | -          | <del>                                     </del> | -  | $\vdash$ | <del>                                     </del> | +-   | <del>                                     </del> | <del>  -</del>                                   | $\vdash$   |
|          | 1100   | <b>L</b> _ | ı  | 1  |          | L.   | 1  | <u> </u>   | 1  |  |

| Cla         | Date   |          |  |  |          |  |                |  |          |          |
|-------------|--|----------|--|--|----------|--|----------------|--|----------|----------|
|             |  |          |  |  | T        |  |                |  | $\Box$   | ヿ        |
| Final       | Original   |          |  |  |          |  |                |  |          |          |
|             | 101  |          |  |  |          |  |                |  |          |          |
|             | 101<br>102<br>103                                    |          |  |  |          |  |                |  |          |          |
|             | 103  |          | i  |  |          |  |                |  |          |          |
|             | 104  |          |  |  |          |  | _              |  |          |          |
|             | 105<br>106   |          |  |  |          | _  | _              | _  | _        |          |
|             | 106  |          |  | Ш  |          |  |                | _  | -        | _        |
|             | 107  |          |  | -  |          | _  | _              |  |          | -        |
|             | 108<br>109   |          |  | -  |          |  |                |  |          |          |
|             | 110  | _        |  |  |          | Н  | -              |  | -        |          |
|             | 110<br>111   |          | $\vdash$   |  |          |  |                | _  |          | $\dashv$ |
|             | 112  | -        | H  | $\vdash$   |          |  | _              | _  |          | $\dashv$ |
|             | 113  |          |  |  |          |  |                |  | Н        | $\dashv$ |
|             | 113<br>114<br>115                                    |          | _  |  |          |  |                |  |          | П        |
|             | 115  | -        |  |  |          |  |                |  |          | П        |
|             | 116<br>117   |          |  |  |          |  |                |  |          |          |
|             | 117  |          |  |  |          |  |                |  |          |          |
|             | 118<br>119   |          |  |  |          |  |                |  |          |          |
|             | 119  | L        | <u> </u>   |  |          |  |                | _  |          |          |
|             | 120  |          | _  |  |          |  | _              |  | Щ        |          |
|             | 121  |          |  | <u> </u>   |          | _  | <u> </u>       | _  | <u> </u> |          |
| ļ           | 122  | ļ        | <u> </u>   |  |          | <u> </u>   | <u> </u>       | _  | <u> </u> |          |
| <b></b> -   | 123  | <u> </u> | _  |  |          |  | <u> </u>       | <u> </u>   | _        |          |
|             | 124  |          |  | $\vdash$   |          | -  | ⊢              | $\vdash$   | $\vdash$ | -        |
|             | 125  | ⊢        | -  |  |          | $\vdash$   | -              |  | -        | H        |
|             | 127  | $\vdash$ | ├  | -  | -        | $\vdash$   | ┢              | <del> </del>                                     |          | H        |
| <u> </u>    | 121<br>122<br>123<br>124<br>125<br>126<br>127<br>128 | ┢        | -  |  | _        | -  | $\vdash$       | ┢  |          | Н        |
| $\vdash$    | 129  | -        | <del>                                     </del> |  |          | $\vdash$   | -              | <del> </del>                                     | $\vdash$ | Н        |
| <u> </u>    | 129<br>130   | 1        | $\vdash$   |  |          | Г  |                | -  |          | П        |
|             | 131  |          | Г  |  | _        |  |                |  |          | П        |
|             | 132<br>133   | Γ        |  |  |          |  |                |  |          |          |
|             | 133  |          |  |  |          |  |                |  |          |          |
|             | 134  |          |  |  |          |  | L.             |  | <u>_</u> | Ш        |
|             | 135<br>136   | ┖        | _  | _  | _        | _  |                | <u> </u>   | L        |          |
| <u> </u>    | 136  | <u> </u> | <u> _</u>  |  | _        | <u> </u>   | _              |  | _        | Ш        |
|             | 137<br>138   | ┞        | <u> </u>   | _  | _        |  | _              | <u> </u>   | <u> </u> | _        |
|             | 138  | ├        |  | ⊢  |          | ├-   | ⊢              | ⊢  | _        |          |
|             | 139<br>140   | ├        | <del> </del>                                     | ┝  | -        | ├  | ⊢              | ⊢  | -        | Н        |
|             |  | ⊢        |  | ├  | $\vdash$ | ⊢  | <del>  -</del> | -  | -        | Н        |
|             | 141  | ⊢        | ┢  | ╁╌   | -        | ⊢  | ├              | $\vdash$   | ┢        | Н        |
| -           | 143  | ╁╾       | ├  | $\vdash$   | $\vdash$ | <del>                                     </del> | $\vdash$       | -  |          | Н        |
|             | 144  | 1        | $\vdash$   | $\vdash$   | -        | $\vdash$   | _              | <del>                                     </del> | H        | Н        |
| -           | 145  | T        | T  | <del>                                     </del> | -        | $t^-$  |                | $\vdash$   | 1        | Н        |
| <del></del> | 146  | 1        | $\vdash$   | <del>                                     </del> | Т        | $t^-$  |                | <del>                                     </del> | 1        | П        |
|             | 147  | 1        | Г  |  | Г        | 1  | Γ              | Π  |          | П        |
|             | 148  |          |  | 1  | Γ        | 1  |                |  |          |          |
|             | 149  |          |  |  |          |  |                |  |          |          |
|             | 150  |          | L  | L  |          |  |                |  |          |          |
|             |  |          |  |  |          |  |                |  |          |          |